

**U.S. Department of Agriculture
Natural Resources Conservation Service
Nevada**

**DOCUMENTATION CHECK LIST
IRRIGATION SYSTEM, TAILWATER RECOVERY (447)**

1. Field surveys and notes are in accordance with Engineering Technical Release 62 and National Engineering Manual Part 540. _____
2. Standard drawings and/or standard size drawing sheets are used. _____
3. Engineering job class is shown and proper engineering review/approval is obtained. _____
4. Right of way easements, utility clearances, SHPO clearance and applicable state and Federal permits are obtained. _____
5. Soils/geologic investigation of the site for assessing foundation/drainage measures. _____
6. Computations are made for sizing the system components based upon area, water requirements of crops, tailwater available and system planned, _____
7. The facilities are designed as part of a resource management system. _____
8. The construction drawings and specifications show as appropriate:
 - a. Location map, complete structure plan layout, cross-sections and profiles that show dimensions, elevations. _____
 - b. Material type, size and pressure class for pipe and fittings for pipeline. _____
 - c. Location, type, size and pressure class for appurtenances (drains, vents, outlets, stands, thrust blocks) _____
 - d. Pipe trench/backfill requirements. _____
 - e. Safety features for trenches, when applicable. _____
 - f. Details for sump, pump and motor. _____
 - g. Buried utilities disclaimer is shown on the drawings. _____
8. Operation and maintenance plan prepared, and provided to landowner. _____
9. Review of construction drawings, and specifications is completed and Cooperator's signature is obtained. _____
11. Changes in design are noted and approved by landowner, designer and proper engineering review/approval is obtained. _____
12. As-Built drawings show constructed dimensions, type, pressure class and size of pipe. Layout and size of storage components. Type of materials, location pressure class and size and appurtenances. _____
13. Construction inspection documentation and Certification of materials. _____
14. Certification that completed practice meets plans and specifications. _____